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**Automobile Charts.** By VICTOR W. PAGE. New York: The Norman W. Henley Publishing Co. 25 cents each.

Location of gasoline engine troubles made easy. Location of carburetion troubles made easy. Location of ignition system troubles made easy. Location of engine cooling and lubricating troubles made easy. Location of Ford engine troubles made easy. Lubrication of the motor car chassis.

**Modern Starting, Lighting and Ignition Systems.** By VICTOR W. PAGE. New York: The Norman W. Henley Publishing Company. Pp. 509. \$1.50.

This practical volume has been written with special reference to the requirements of the non-technical reader desiring easily understood explanatory matter relating to all types of automobile ignition, starting and lighting systems. It can be understood by anyone, even without electrical knowledge, because elementary electrical principles are considered before any attempt is made to discuss features of the various systems. These basic principles are clearly stated and illustrated with simple diagrams. *All the leading systems of starting, lighting and ignition have been described and illustrated with the co-operation of the experts employed by the manufacturers. Wiring diagrams are shown in both technical and non-technical forms. All symbols are fully explained. This is a book of real merit.*

A comprehensive review of modern starting and ignition system practice, giving full instructions for the repair and care of storage batteries, generators, regulating devices, starting motors, etc., and all representative systems are described in detail, the text matter being accompanied by complete diagrams showing all connections and the relation the various parts of the assembly bear to each other. Complete data is given for locating troubles in all systems, the various steps being considered in a logical, systematic manner, that can be easily followed by those without expert electrical knowledge. All ignition systems receive full consideration, starting with the simplest battery and coil forms found on early cars to the modern short-contact timer and magneto methods used with the latest eight and twelve cylinder motors. Every ignition, starting or lighting system component is considered individually and full directions are given for making all repairs. This book is unusually complete as it also includes descriptions of various accessories operated by electric current, such as electrical gear shifts, brake actuation, signaling devices, vulcanizers, etc. Considers the systems of cars already in use as well as those that are to come in 1916. A book every one needs.

**The Modern Gasoline Automobile.** By VICTOR W. PAGE. New York: The Norman W. Henley Publishing Co. 1916 edition. Pp. 816. \$2.50.

The most complete treatise on the gasoline automobile issued. Written in simple language by a recognized authority, familiar with every branch

of the automobile industry. Free from technical terms. Everything is explained so simply that anyone of ordinary intelligence may gain a comprehensive knowledge of the gasoline automobile. The information is up to date and includes, in addition to an exposition of principles of construction and description of all types of automobiles and their components, valuable money-saving hints on the care and operation of motor cars propelled by internal combustion engines.

The subject of electrical motor starting systems has been considered at length and all leading systems and their components described. A discussion on ball and roller bearing, their maintenance and installation, has also been included, and a number of other features of timely interest, such as latest types of gasoline and kerosene carburetors, cyclecar power plants, the Fischer slide valve motor, detachable wire wheels, cantilever springs, eight- and twelve-cylinder motors, new valve operating systems, Stewart-Warner vacuum fuel feed, boat type body design, leather universal joints, Entz electric transmission, positive differential, armored automobile, hydraulic brakes, etc.

Entirely new material has been added on tractors in three- and four-wheel forms, cyclecars and agricultural tractors or automobile plows; combination gasoline-electric drive, front-wheel and four-wheel drive and steer systems and other important developments in power-propelled vehicles. The discussion of power transmission methods has been augmented by consideration of the skew bevel gear and two-speed direct drive rear axle, as well as several new forms of worm gear drive, etc., have been added to bring the work thoroughly up to date.

**The Spell of Egypt.** By ARCHIE BELL. Boston: The Page Company. Pp. 366. \$2.50 net.

Much has been written about Egypt and yet not so much but that much more is left to write about. It is a wonderful land for the traveler and archæologist, and one of never-failing interest to the general reader. This volume will be found not only entertaining but instructive as well as reliable in its information. It is well written and profusely illustrated.

**How to Use Your Mind.** By HARRY D. KITSON. Philadelphia: J. B. Lippincott Company. Pp. 216. \$1.00 net.

As the author says in the preface "Educational leaders are becoming increasingly aware of the necessity for teaching students not only the subject matter of study but also methods of study." When teachers do this as they should there will be much less wasted time and much more real progress in our schools. To know how to work efficiently is half the battle and teachers will find this book very helpful in teaching how to study.